

CLAIMS

We claim:

1. Reinforcing Concrete Beam

said Reinforcing Concrete Beam having means to be supported along the entire length of the edge of the slab while not being bonded to the slab,

said Reinforcing Concrete Beam having a vertical cross-section comprising an isosceles trapezoid (bottom base greater than upper base) and a rectangle above the isosceles trapezoid (base length not exceeding that of the upper base of said isosceles trapezoid),

said Reinforcing Concrete Beam comprising horizontal grooves for water stops on both sides of said Reinforcing Concrete Beam's slanted sides.

2. Modified Reinforcing Concrete Beam

said Modified Reinforcing Concrete Beam having a horizontal and a vertical panel,

said Modified Reinforcing Concrete Beam having horizontal grooves for water stops on both sides of said Modified Reinforcing Concrete Beam's vertical panels.

3. Double Joints Pavement System

said Double Joints Pavement System, suitable for use in the construction of, among others, concrete and asphalt pavement (e.g., roads, highways, airports, parking lots), employs (Modified) Reinforcing Concrete Beams in order to divide the worksite area into parallel strips,

Patent Application of Nikolai A. Beloreshki and Temenuzhka B. Beloreshka
Double Joints Pavement System
Page 13

said Double Joints Pavement System allows for parallel strips to be filled independently and/or simultaneously using smaller-sized asphalt-paving machines (e.g., roller screeds and vibro screeds).